Interagency Data Management Plan

Las Canchas Fires

Los Alamos, New Mexico

Prepared by EPA's Emergency Response DATA Team

Version 2011.1

June 29, 2011

Contents

1. CONCURRANCE

Mike Ortiz, New Mexico Environment Department	Date
George Rael, United States Department of Energy	Date
Eric Delgado, United States Environmental Protection Agency	Date
??, United States Forest Service	Date

2. BACKROUND

Wildfires threaten the Los Alamos National Laboratory and there are concerns that hazardous materials may be released into the environment. Several Agencies are collecting samples and monitoring the resultant smoke plume and there is a need for these Agencies to exchange data with one another and establish a complete dataset for the incident. This dataset will be used to inform both incident operations and inform the general public.

3. OBJECTIVES

The objectives of this Data Management Plan (DMP) are to establish a mechanism for Cooperating Agencies to exchange data and release information to the public.

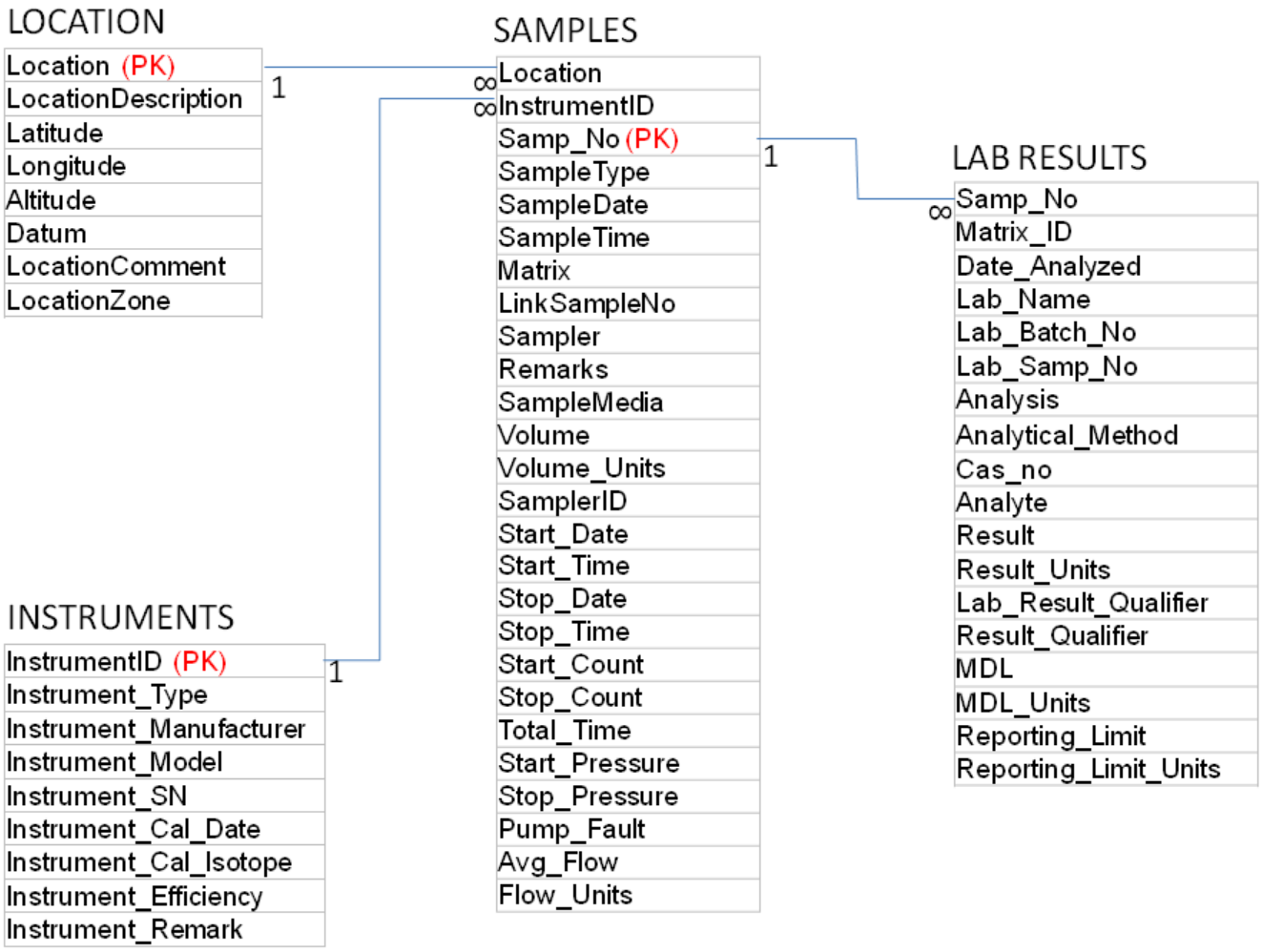
4. COOPERATING AGENCIES

Agency		Contact Name	Phone	Email
DOE	United States Department of Energy	George Rael	505-681-0307	grael@doeal.gov
EPA	United States Environmental Protection Agency	Eric Delgado	214-850-0868	delgado.eric@epa.gov
NMED	New Mexico Environment Department	Mike Ortiz		
USFS	United States Forest Service			

5. DATA EXCHANGE FORMAT

Each Agency will collect and manage its own data in accordance with its own established protocols and resources. However, each Agency will agree to report data to its partner Agencies in accordance with the specifications provided in Appendix A. These specifications document a series of data tables that are related to one another using foreign database keys. An Entity Relationship Diagram (ERD) for this relational database is provided in Figure 1.

Figure 1: Entity Relationship Diagram for the Data Exchange Format



6. WORKFLOW

Step 1: Collect Data
Responsible Party: Each Agency
Each Agency and / or their contracted resources collect one or more of the following types of tabular data in accordance with their own policies and procedures.

- Locations
- Instruments
- Sampling
- Monitoring
- Lab Results

Step 2: Generate Data Tables
Responsible Party: Each Agency
Each Agency and / or their contracted resources will generate data tables that meet the requirements of the Incident Data Exchange Format.

Step 3: Load Data Tables to Local Database
Responsible Party: Each Agency
Each Agency and / or their contracted resources will load Data Tables that that meet the requirements of the Incident Data Exchange Format into a local copy of EPA's Scribe Database.

Step 4: Audit Data in the Local Database
Responsible Party: Each Agency
Each Agency and / or their contracted resources will pass the data that they have loaded to their local Scribe database through an automated Data Auditing Tool that verifies the requirements of the Incident Data Exchange Format . Each Agency and/or support contractor will fix data that does not meet the requirements of the Incident Data Exchange Format in the raw data tables that were loaded to local Scribe database. These modified tables will then be reloaded to update the data.

Step 5: Publish Data
Responsible Party: Each Agency
Each Agency and / or their contracted resources will publish data that passes verification to EPA's Scribe.net system.

Step 6: Serve Data to Stakeholders for Review
Responsible Party: EPA
EPA will provide data Subscriptions from its Scribe.net server to all cooperating agencies. These agencies will be able to view their partners' data in the same Format that they provided for a period of 24hrs.

Step 7: Generate Incident Database and Serve Data
Responsible Party: EPA
After the 24hr review period, EPA will combine all datasets that are published to Scribe.net into a single SQL Server Database on EPA's Orator Server and serve that data out to approved end users (New Mexico Website) using web services.

7. Data Audit Queries

The SQL Statements that will be used to audit data that is submitted by each Agency are provided in Appendix B.

8. Reporting Requirements

To be determined.